Service Document
Exchange Set

Beezz RCD 6800 DEC

GRUNDIG

Service Manual

Sicherheit
Safety

Materialnr./Part No.
720108000001

⚠ Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual „Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ The regulations and safety instructions shall be valid as provided by the „Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

Dieses Service Dokument ist nur in Datenform verfügbar
This Service Document is only available as data

Änderungen vorbehalten/Subject to alteration

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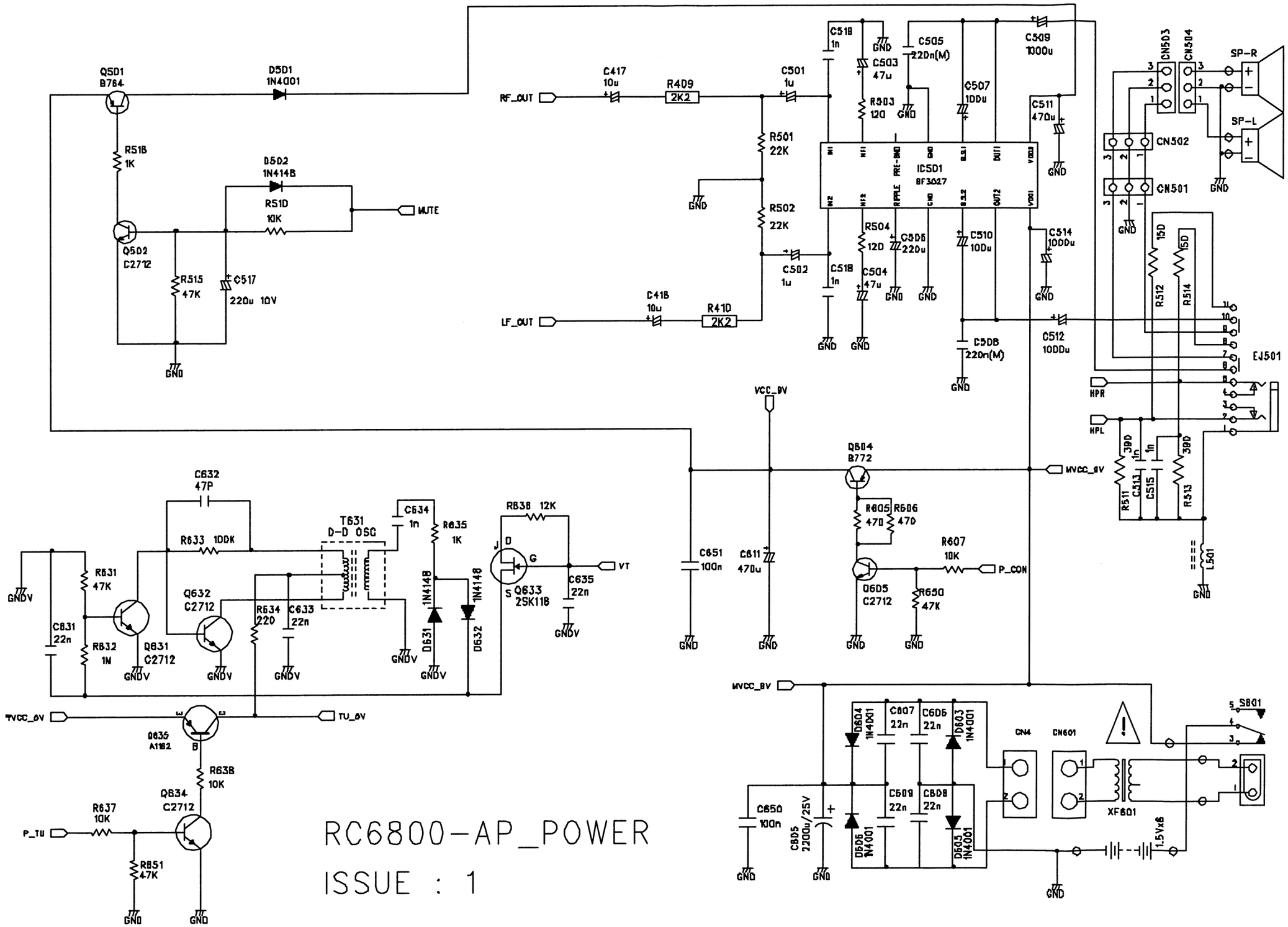
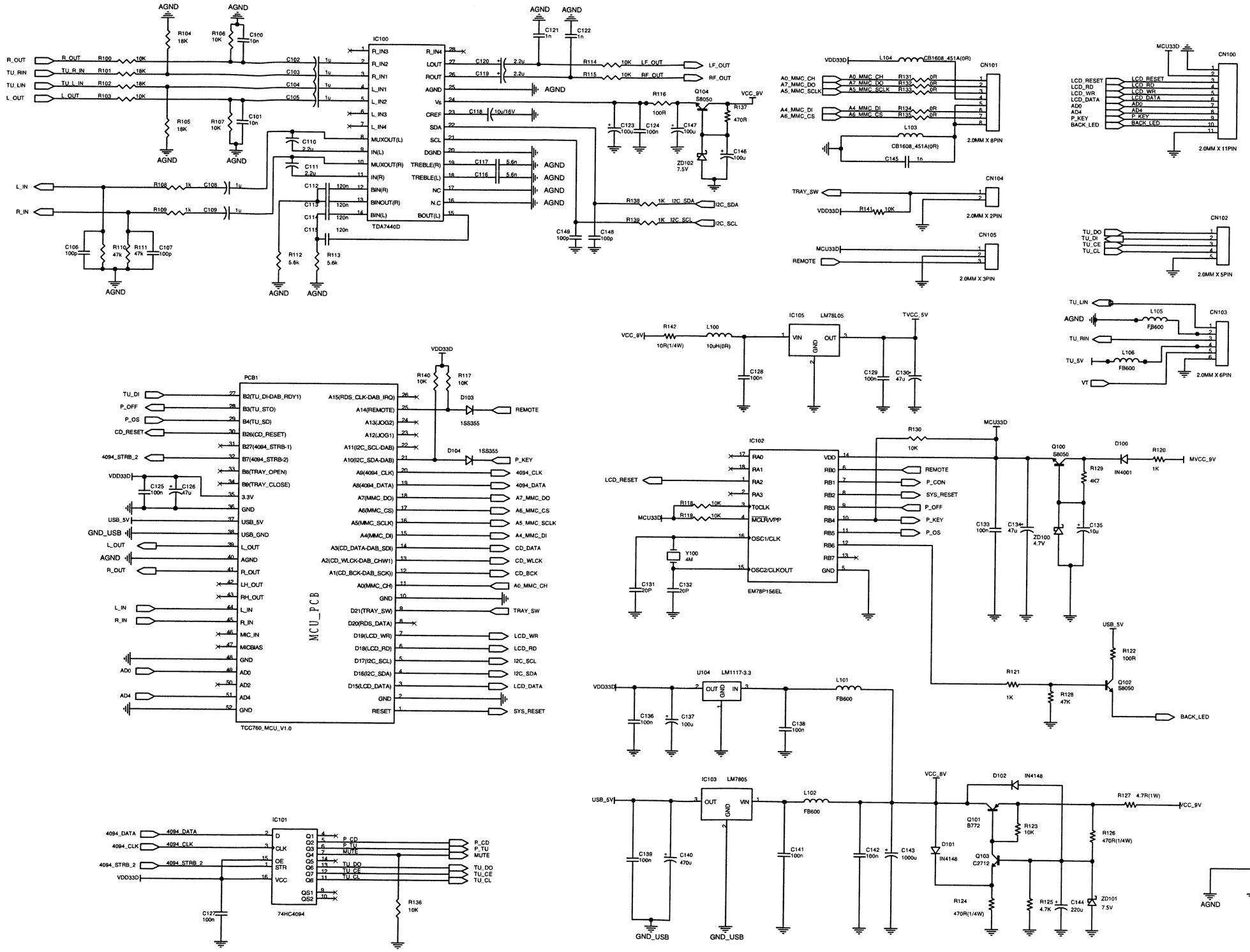
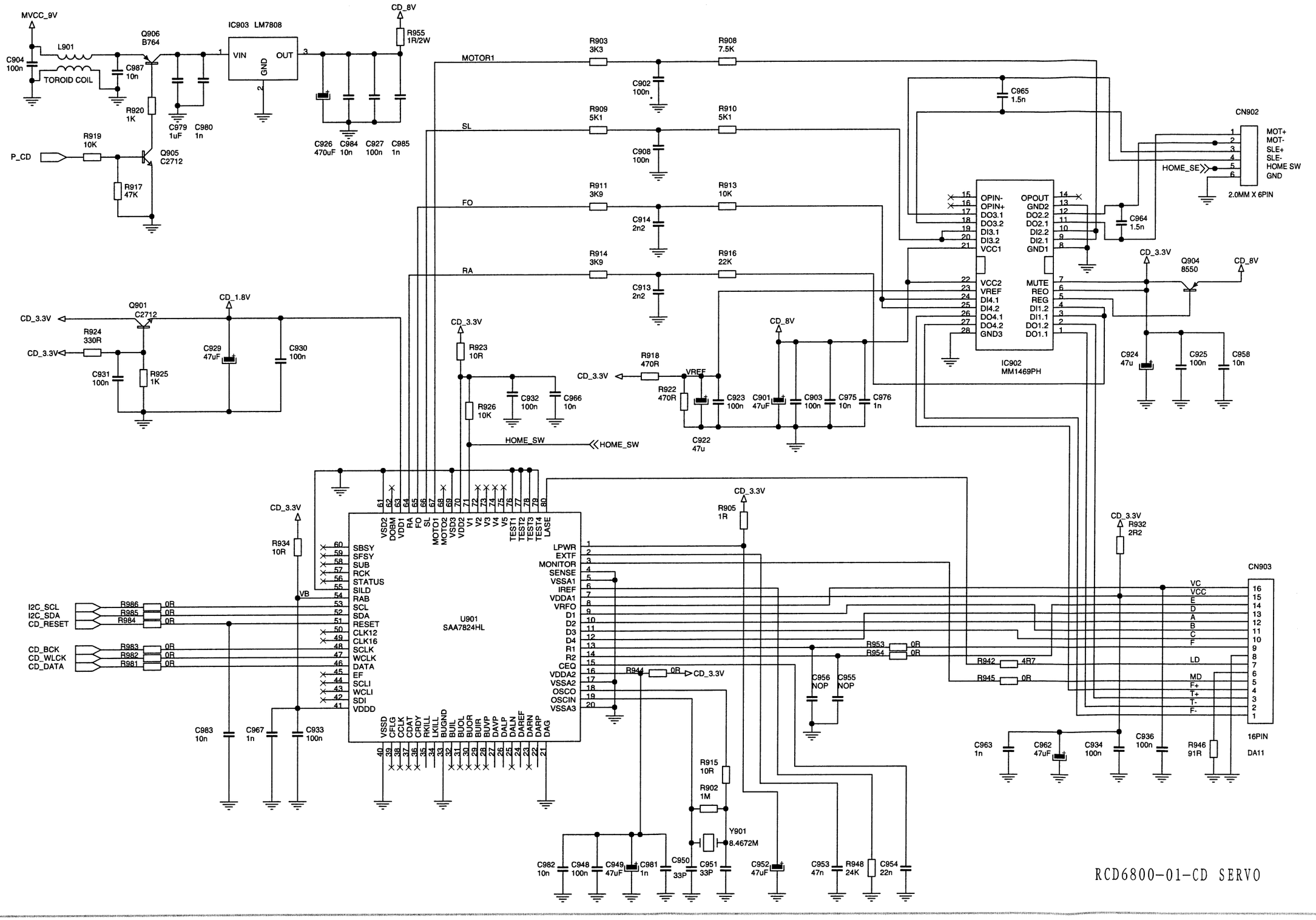
http://www.grundig.com



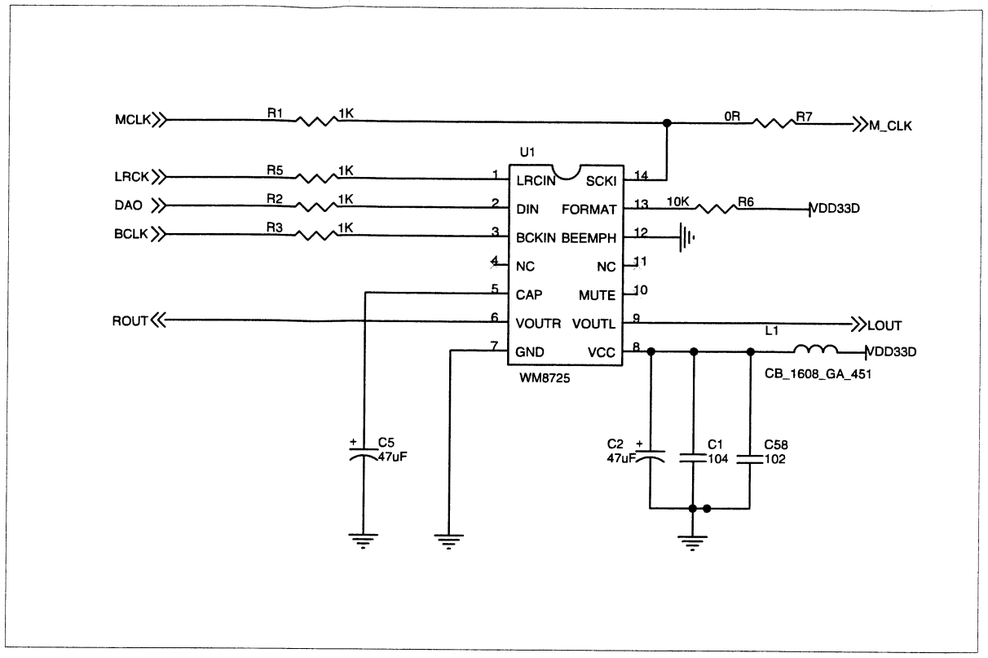
RC6800-AP_POWER

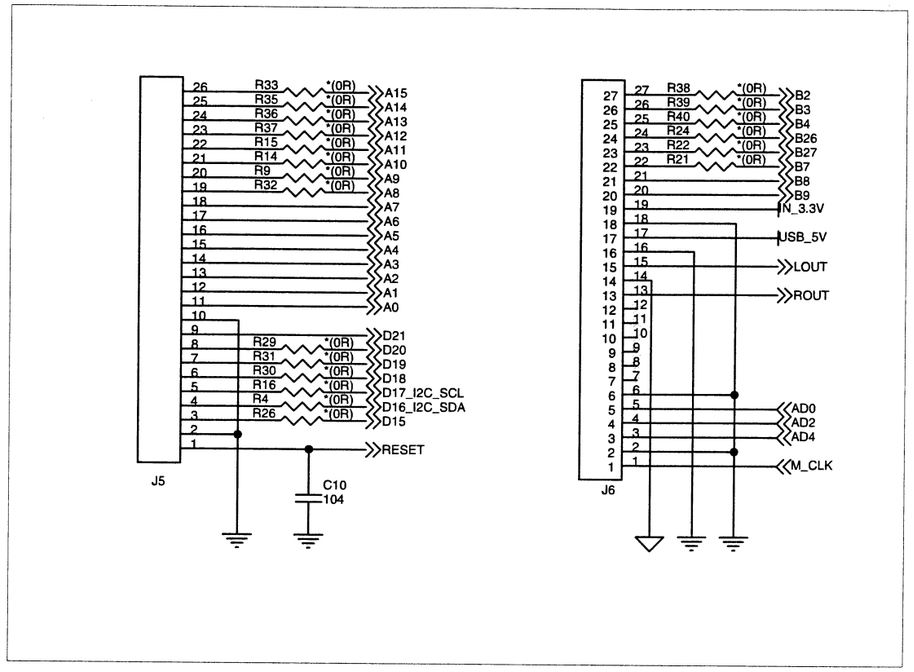
ISSUE : 1

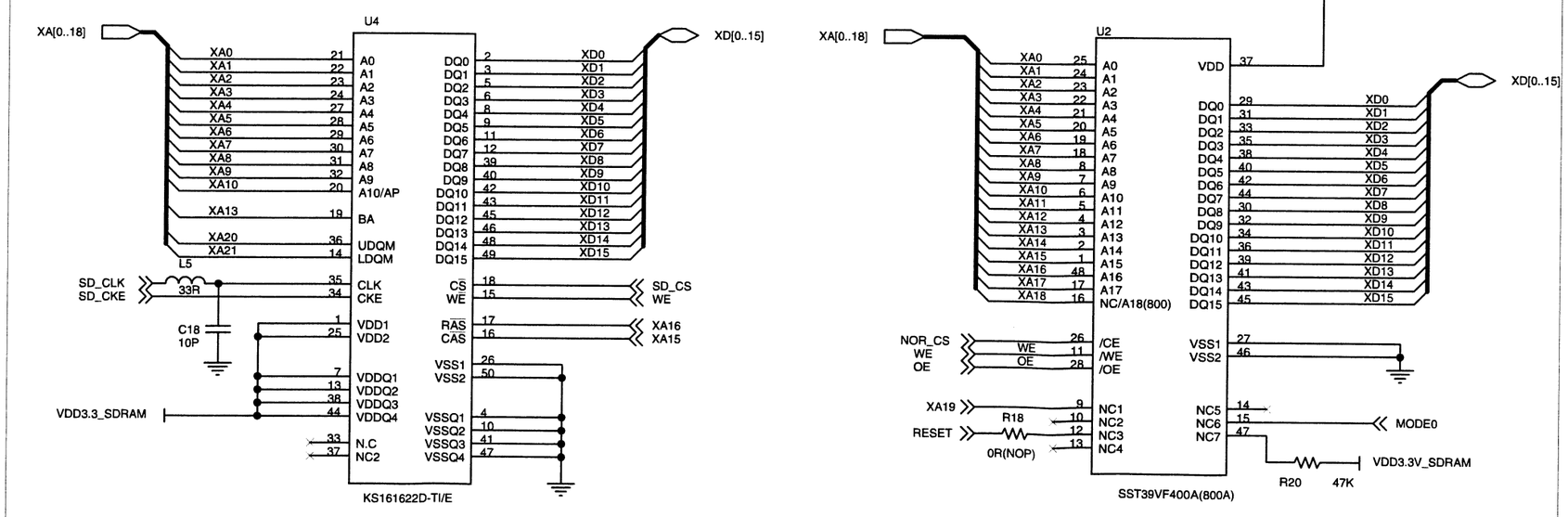

IC100
TDA7440D
R_IN1
R_IN2
R_IN3
R_IN4
L_IN1
L_IN2
L_IN3
L_IN4
MUXOUT(L)
IN(L)
MUXOUT(R)
IN(R)
BIN(R)
BINOUT(R)
BIN(L)
LOUT
ROUT
AGND
Vs
CREF
SDA
SCL
DGND
TREBLE(R)
TREBLE(L)
NC
N.C
BOUT(L)
R_OUT
TU_RIN
TU_LIN
L_OUT
L_IN
R_IN
LF_OUT
RF_OUT
I2C_SDA
I2C_SCL
VCC_9V
Q104 S8050
ZD102 7.5V
PCB1
MCU_PCB
TCC760_MCU_V1.0
TU_DI
P_OFF
P_OS
CD_RESET
4094_STRB_2
USB_5V
GND_USB
AGND
R_OUT
L_OUT
L_IN
R_IN
MIC_IN
MICBIAS
AD0
AD2
AD4
GND
REMOTE
P_KEY
4094_CLK
4094_DATA
A7_MMC_DO
A6_MMC_CS
A5_MMC_SCLK
A4_MMC_DI
CD_DATA
CD_WLCK
CD_BCK
A0_MMC_CH
TRAY_SW
LCD_WR
LCD_RD
I2C_SCL
I2C_SDA
LCD_DATA
SYS_RESET
IC101
74HC4094
P_CD
P_TU
MUTE
TU_DO
TU_CE
TU_CL
IC102
EM78P156EL
LCD_RESET
MCU33D
P_CON
SYS_RESET
BACK_LED
IC105
LM78L05
TVCC_5V
IC103
LM7805
U104
LM1117-3.3
CN100
CN101
CN102
CN103
CN104
CN105
2.0MM X 11PIN
2.0MM X 8PIN
2.0MM X 5PIN
2.0MM X 6PIN
2.0MM X 2PIN
2.0MM X 3PIN
RCD6800-01-MAIN



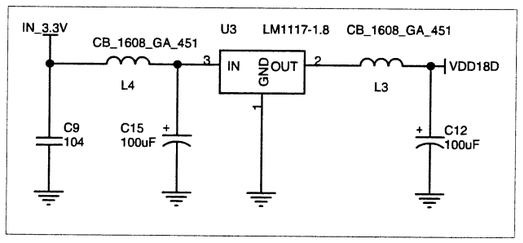
RCD6800-01-CD SERVO

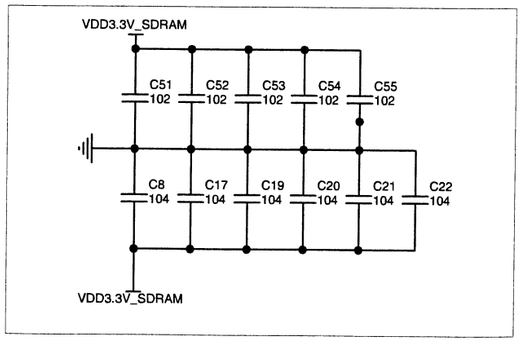




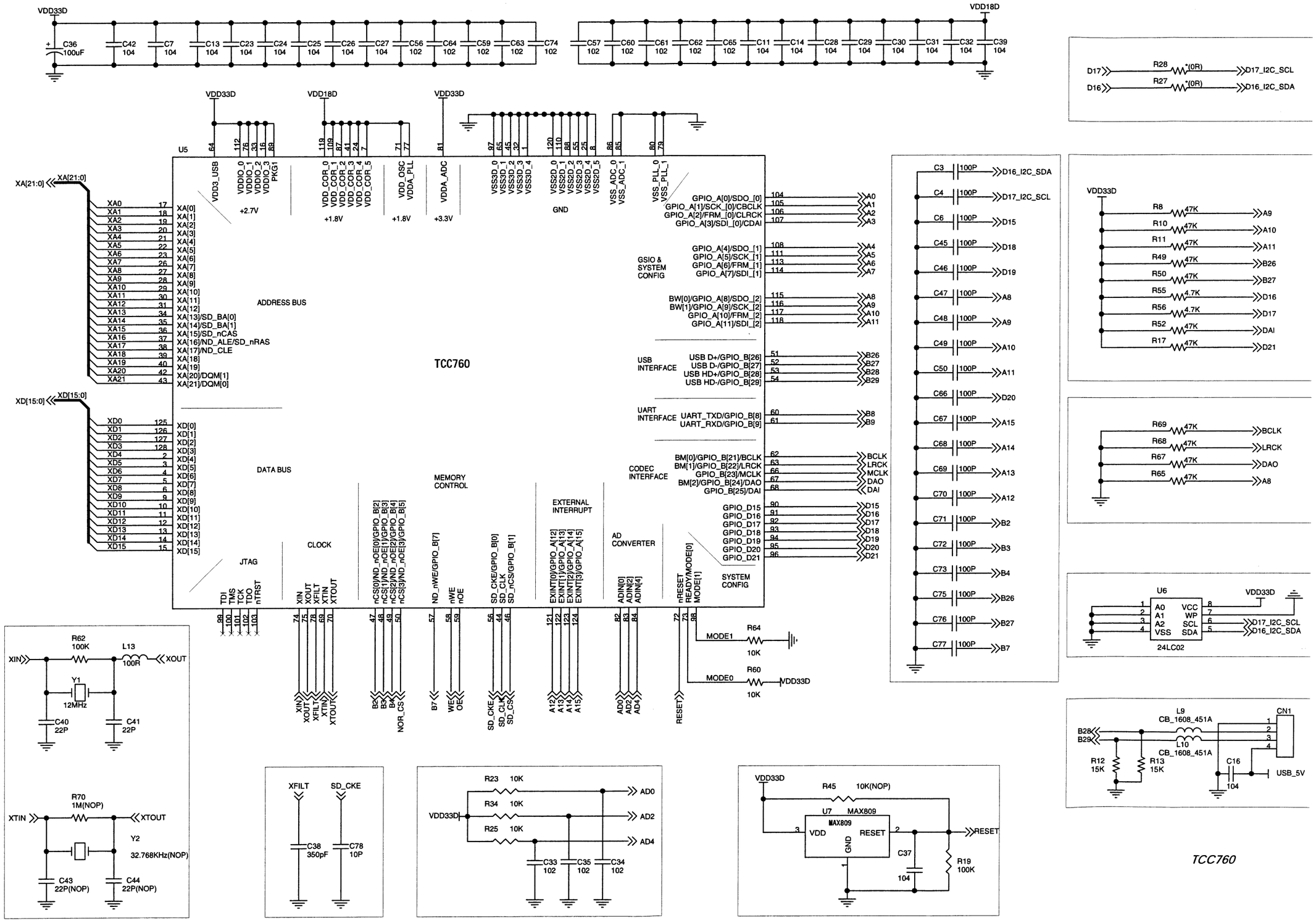


L12 CB_1608_GA_451
VDD33D
VDD3.3V_SDRAM
XA[0..18]
U2
XA0 XA1 XA2 XA3 XA4 XA5 XA6 XA7 XA8 XA9 XA10 XA11 XA12 XA13 XA14 XA15 XA16 XA17 XA18
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 NC/A18(800)
VDD
DQ0 DQ1 DQ2 DQ3 DQ4 DQ5 DQ6 DQ7 DQ8 DQ9 DQ10 DQ11 DQ12 DQ13 DQ14 DQ15
XD0 XD1 XD2 XD3 XD4 XD5 XD6 XD7 XD8 XD9 XD10 XD11 XD12 XD13 XD14 XD15
XD[0..15]
NOR_CS /CE
WE /WE
OE /OE
VSS1 VSS2
XA19
R18
RESET
0R(NOP)
NC1 NC2 NC3 NC4
NC5 NC6 NC7
MODE0
R20 47K
VDD3.3V_SDRAM
SST39VF400A(800A)

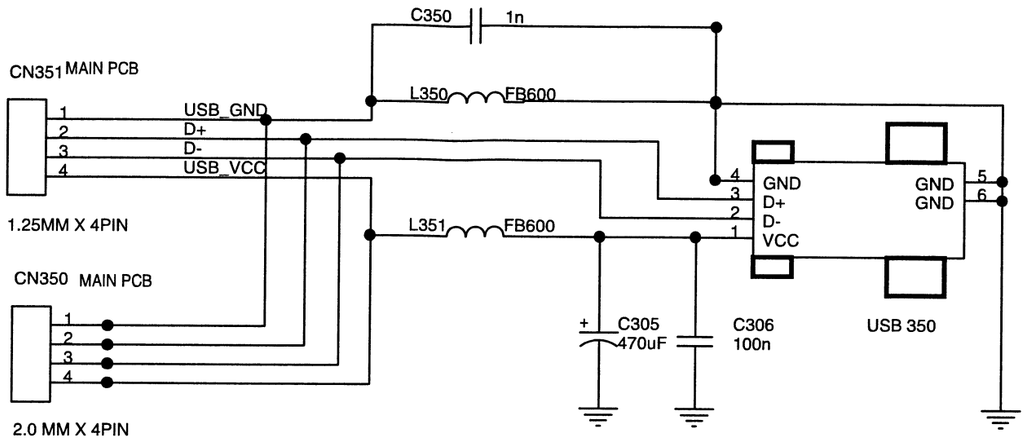


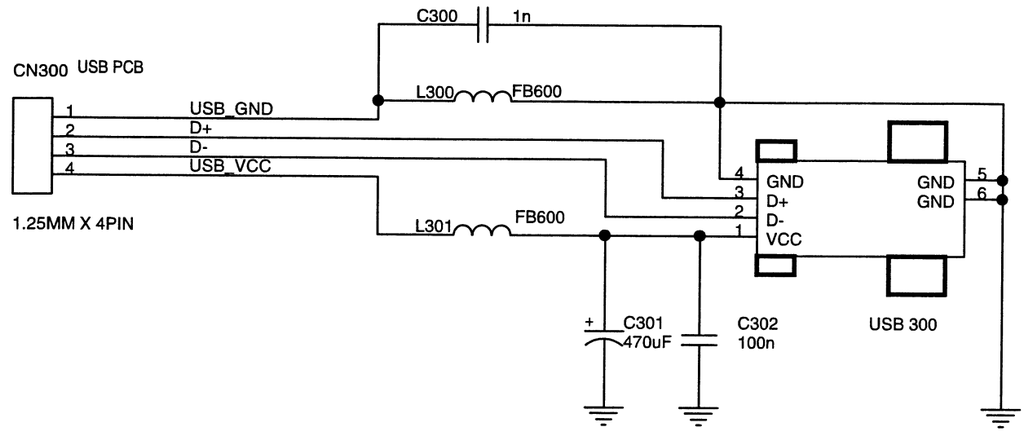


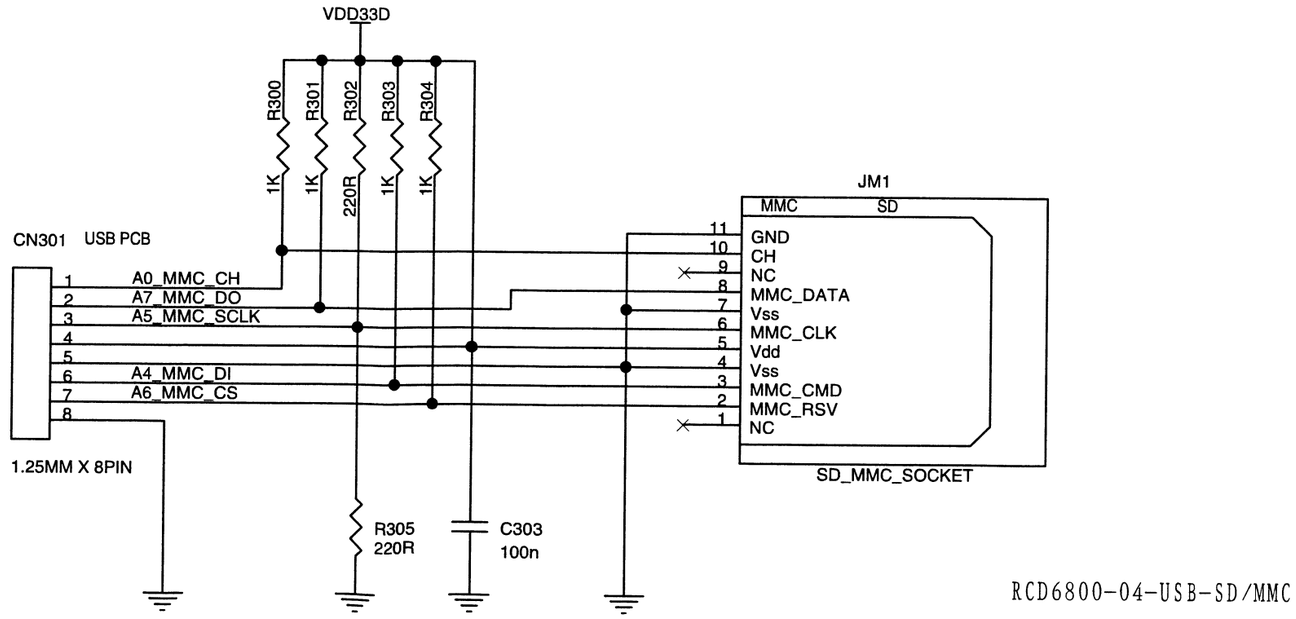
NOR_FLASH_SDRAM_COEDC


VDD33D
VDD18D
C36 100uF
C42 104
C7 104
C13 104
C23 104
C24 104
C25 104
C26 104
C27 104
C56 102
C64 102
C59 102
C63 102
C74 102
C57 102
C60 102
C61 102
C62 102
C65 102
C11 104
C14 104
C28 104
C29 104
C30 104
C31 104
C32 104
C39 104
U5
TCC760
VDD3_USB
VDDIO_0
VDDIO_1
VDDIO_2
VDDIO_3
PKG1
VDD_COR_0
VDD_COR_1
VDD_COR_2
VDD_COR_3
VDD_COR_4
VDD_COR_5
VDD_OSC
VDDA_PLL
VDDA_ADC
VSS3D_0
VSS3D_1
VSS3D_2
VSS3D_3
VSS3D_4
VSS2D_0
VSS2D_1
VSS2D_2
VSS2D_3
VSS2D_4
VSS2D_5
VSS_ADC_0
VSS_ADC_1
VSS_PLL_0
VSS_PLL_1
+2.7V
+1.8V
+1.8V
+3.3V
GND
XA[21:0]
ADDRESS BUS
XD[15:0]
DATA BUS
JTAG
TDI
TMS
TCK
TDO
nTRST
CLOCK
XIN
XOUT
XFILT
XTIN
XTOUT
MEMORY CONTROL
nCS[0]/ND_nOE[0]/GPIO_B[2]
nCS[1]/ND_nOE[1]/GPIO_B[3]
nCS[2]/ND_nOE[2]/GPIO_B[4]
nCS[3]/ND_nOE[3]/GPIO_B[5]
ND_nWE/GPIO_B[7]
nWE
nOE
SD_CKE/GPIO_B[0]
SD_CLK
SD_nCS/GPIO_B[1]
EXTERNAL INTERRUPT
EXINT[0]/GPIO_A[12]
EXINT[1]/GPIO_A[13]
EXINT[2]/GPIO_A[14]
EXINT[3]/GPIO_A[15]
AD CONVERTER
ADIN[0]
ADIN[2]
ADIN[4]
SYSTEM CONFIG
nRESET
READY/MODE[0]
MODE[1]
GSIO & SYSTEM CONFIG
USB INTERFACE
USB D+/GPIO_B[26]
USB D-/GPIO_B[27]
USB HD+/GPIO_B[28]
USB HD-/GPIO_B[29]
UART INTERFACE
UART_TXD/GPIO_B[8]
UART_RXD/GPIO_B[9]
CODEC INTERFACE
BM[0]/GPIO_B[21]/BCLK
BM[1]/GPIO_B[22]/LRCK
GPIO_B[23]/MCLK
BM[2]/GPIO_B[24]/DAO
GPIO_B[25]/DAI
GPIO_D15
GPIO_D16
GPIO_D17
GPIO_D18
GPIO_D19
GPIO_D20
GPIO_D21
MODE1
MODE0
R64 10K
R60 10K
R62 100K
L13 100R
Y1 12MHz
C40 22P
C41 22P
R70 1M(NOP)
Y2 32.768KHz(NOP)
C43 22P(NOP)
C44 22P(NOP)
C38 350pF
C78 10P
R23 10K
R34 10K
R25 10K
C33 102
C35 102
C34 102
R45 10K(NOP)
U7 MAX809
C37 104
R19 100K
R28 *(0R)
R27 *(0R)
D17_I2C_SCL
D16_I2C_SDA
C3 100P
C4 100P
C6 100P
C45 100P
C46 100P
C47 100P
C48 100P
C49 100P
C50 100P
C66 100P
C67 100P
C68 100P
C69 100P
C70 100P
C71 100P
C72 100P
C73 100P
C75 100P
C76 100P
C77 100P
R8 47K
R10 47K
R11 47K
R49 47K
R50 47K
R55 4.7K
R56 4.7K
R52 47K
R17 47K
R69 47K
R68 47K
R67 47K
R65 47K
U6
24LC02
L9 CB_1608_451A
L10 CB_1608_451A
R12 15K
R13 15K
C16 104
CN1
USB_5V

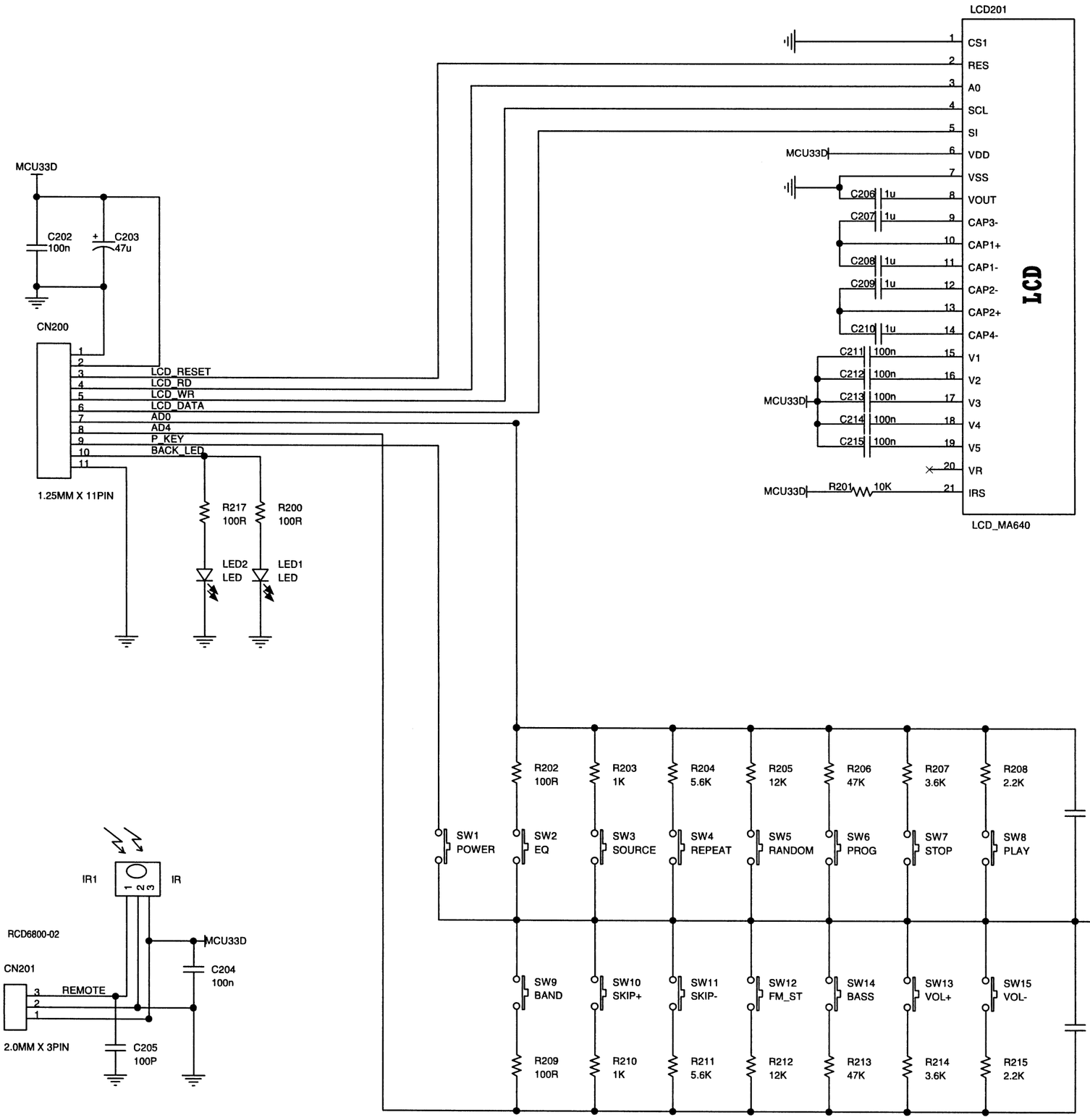
TCC760





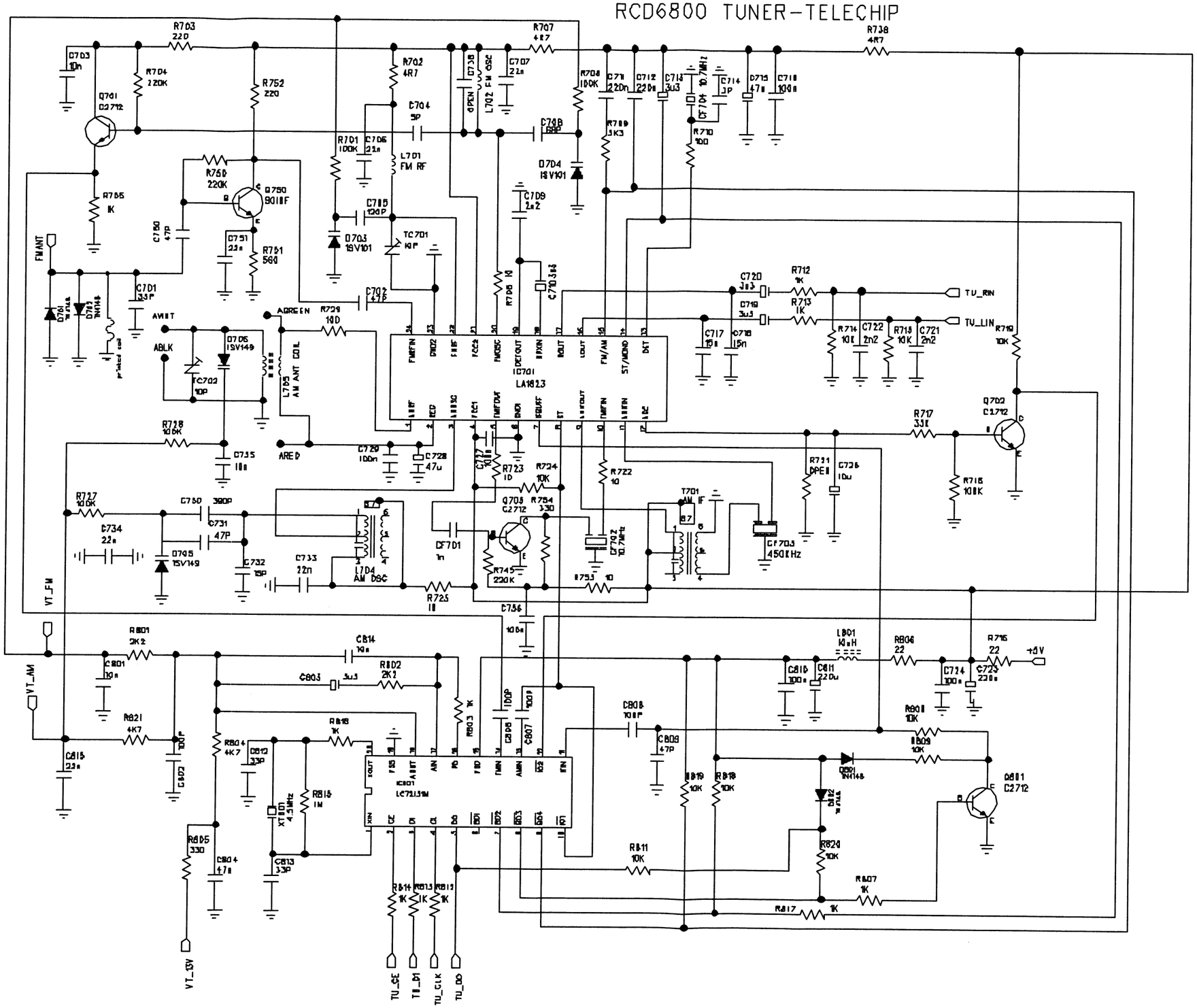


RCD6800-04-USB-SD/MMC



RCD6800-05-LCD_KEY

RCD6800 TUNER-TELECHIP


R703 220
R704 220K
R752 220
R702 4R7
C704 3P
C706 22n
L701 FM RF
C708 68P
C707 22n
R707 4R7
R708 100K
C711 220n
C712 220n
C713 3u3
C704 10.7MHz
C714 1P
C715 47n
C716 100n
R738 4R7
R709 3K3
R710 100
D704 18V101
C709 2n2
C710 3n3
R705 10
TC701 10P
D703 18V101
C705 120P
R701 100K
R750 220K
Q750 9018F
R755 1K
C750 47P
C751 22n
R751 560
FM ANT
C701 33P
AM ANT
ABLK
TC702 10P
L705 AM ANT COIL
AGC EN
R729 10D
AGC
C729 100n
C728 47u
C735 10n
R736 100K
C720 3n3
C719 3u3
R712 1K
R713 1K
TU_RIN
TU_LIN
C717 15n
C718 15n
R714 10K
C722 2n2
R715 10K
C721 2n2
R719 10K
IC701 LA1823
Q702 C2712
R717 33K
R727 100K
C734 22n
C750 390P
C731 47P
C732 15P
C733 22n
L704 AM OSC
DF701 1n
R723 1D
R724 10K
Q705 C2712
R754 330
R745 220K
R722 10
T701 AM IF
DF702 10.7MHz
DF703 450KHz
R731 OPEN
C726 10u
R716 100K
R725 10
R753 10
C736 100n
VT_FM
VT_AM
VT_5V
R801 2K2
C814 10n
C801 10n
R802 2K1
C803 3u3
R803 1K
C805 100P
C807 100P
C808 100P
C809 47P
R821 4K7
C815 22n
C802 100P
R804 4K7
D812 33P
R816 1K
R815 1M
XT801 4.5MHz
C813 33P
R805 330
C804 47n
IC801 LC72131M
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TU_DT
TU_CLK
TU_DO
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C723 220u
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R809 10K
R819 10K
R818 10K
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D811 C2712
R820 10K
R811 10K
R807 1K
R817 1K
C812 100n
C813 220u
R810 10K
C802 100n
C803 220u
R804 10K
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R806 10K
R807 10K
R808 10K
R809 10K
R810 10K
R811 10K
R812 10K
R813 10K
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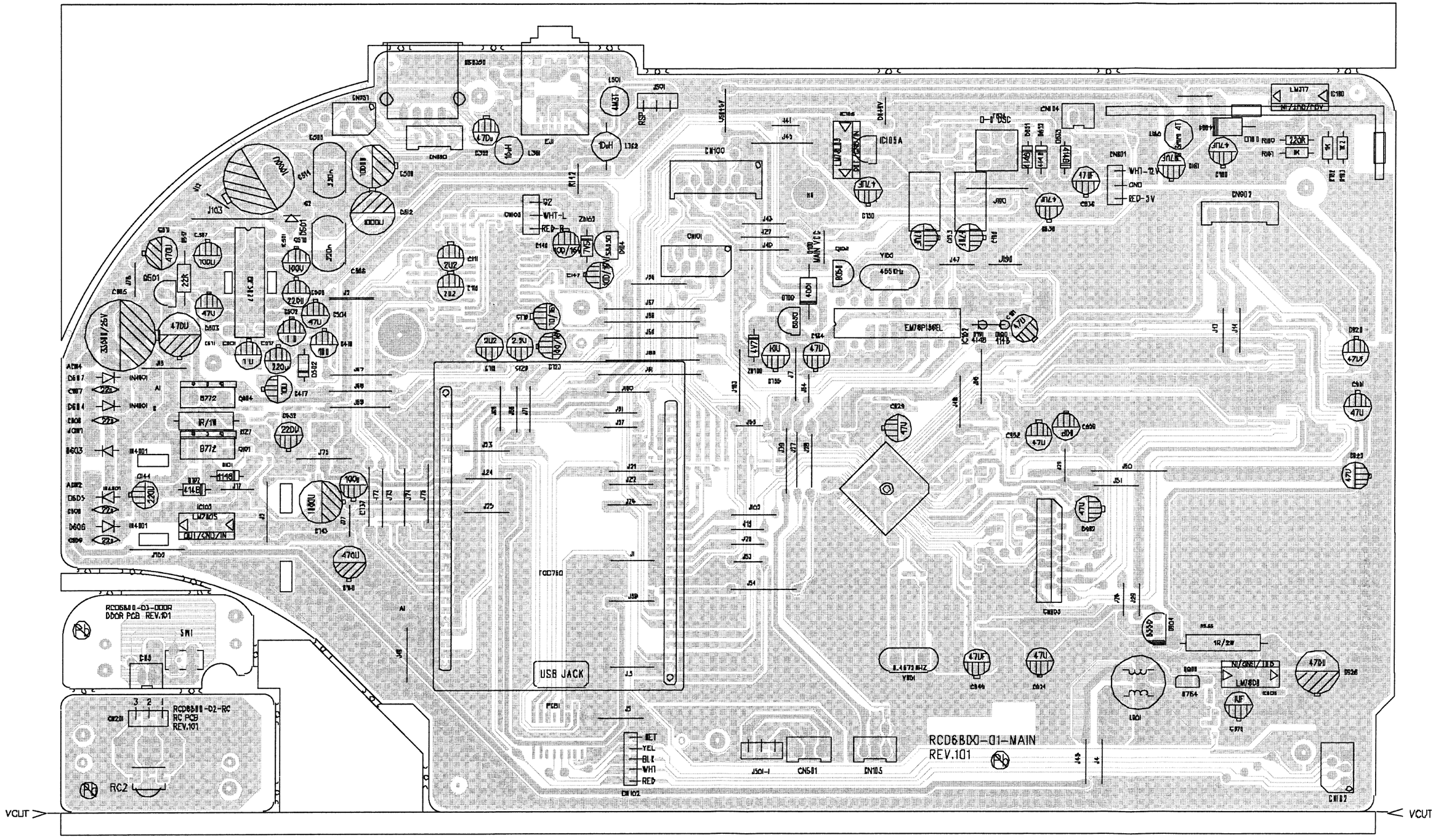
R822 10K
R823 10K


RCD6BDX-01-MAIN
REV.101
RCD6BDX-01-DOOR
DOOR PCB REV.101
RCD6BDX-01-RC
RC PCB
REV.101
USB JACK
RC2
SW1
VCUT
VCUT
RET
YEL
BLK
WHT
RED
WHT-12V
GND
RED-3V
WHT-L
RED-R
GND
OUT/GND/IN
LM7805
LM317
LM7809
EM78P156EL
IC105A
8.4573 MHz
455 KHz
2.2OR
1R/2W
CN902
CN501
CN105
CN102
CN901
CN801
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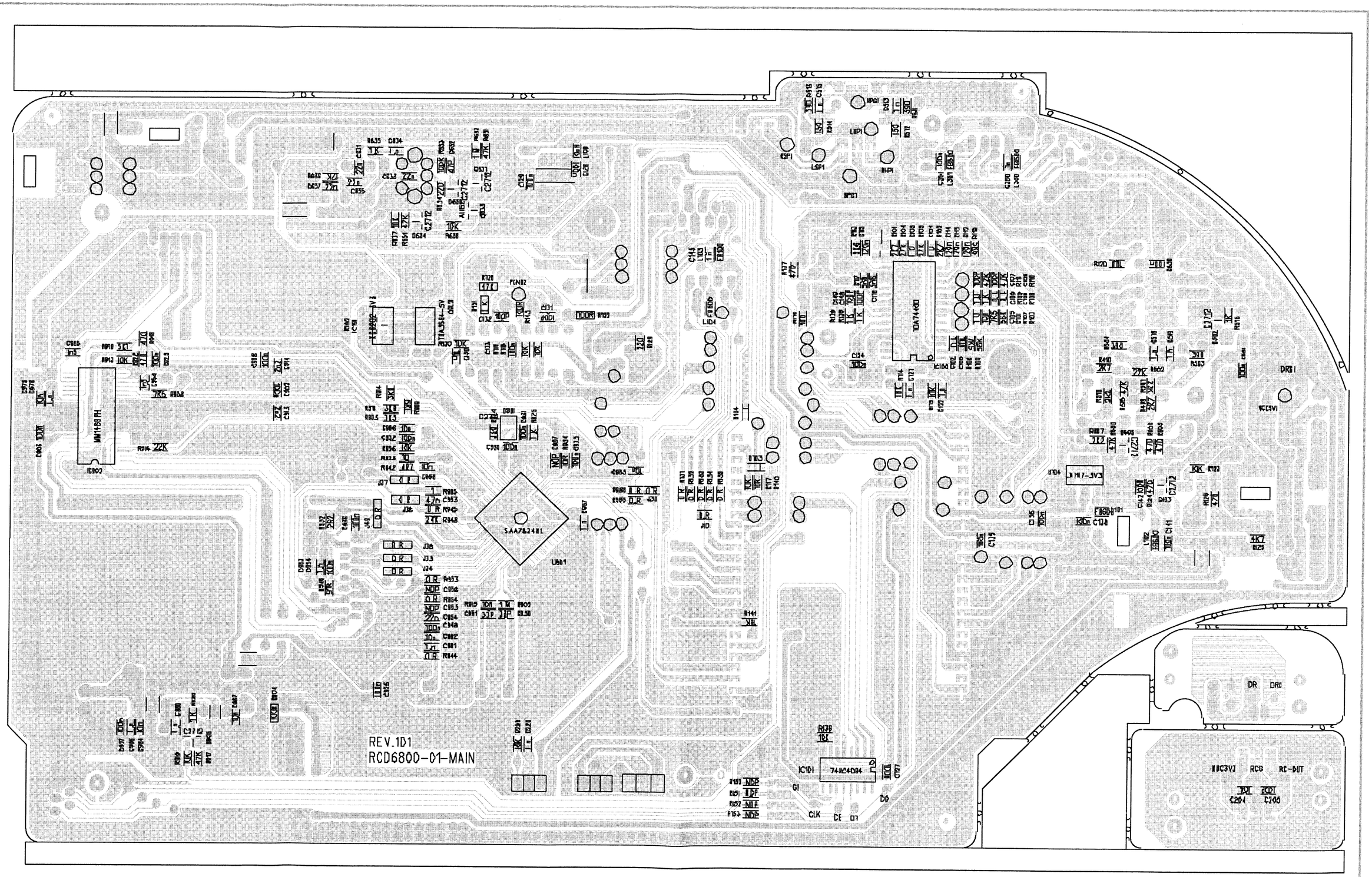
CN1000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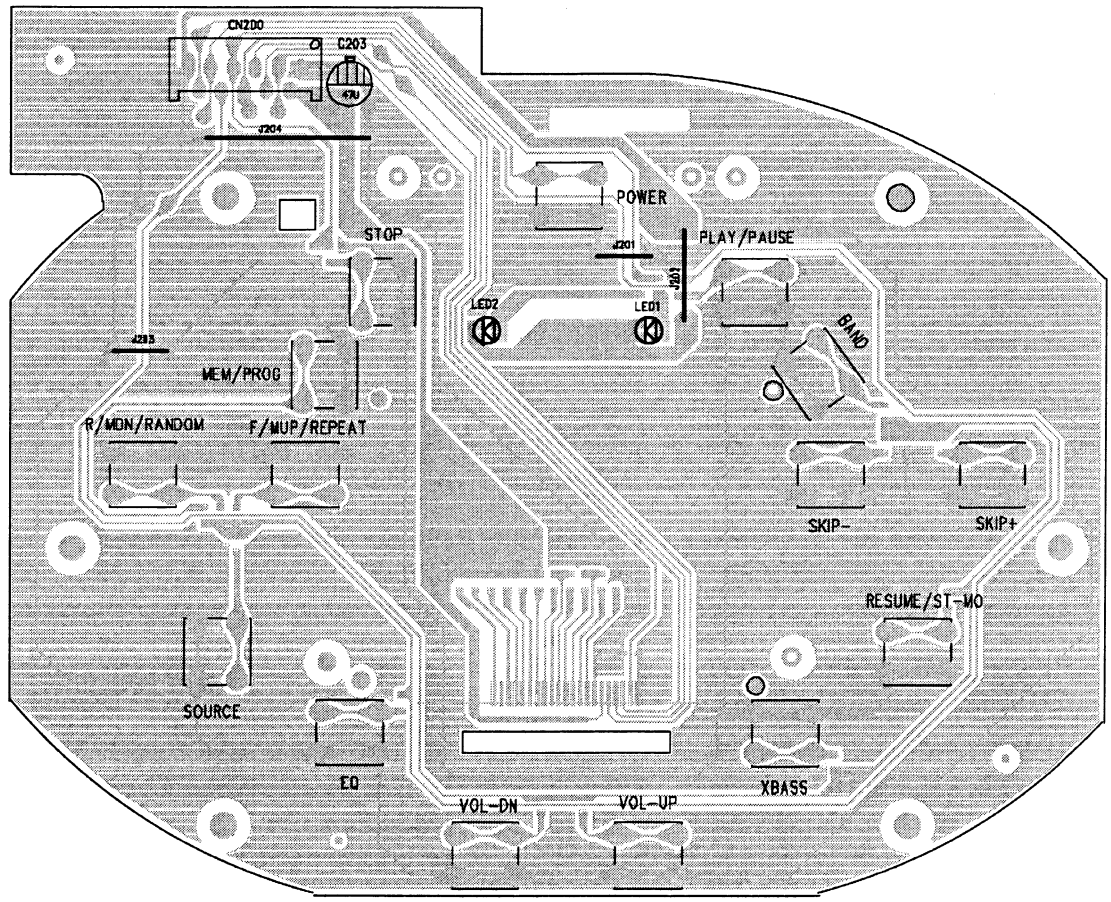
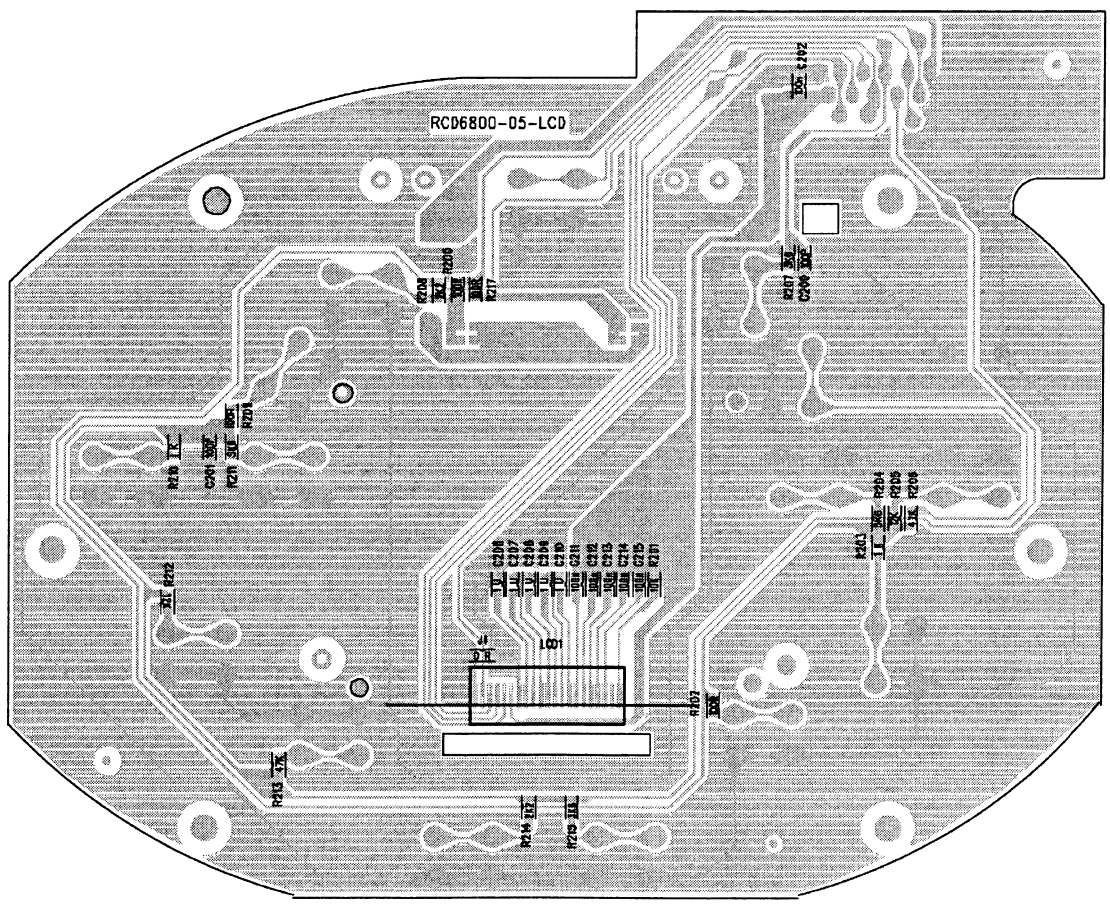
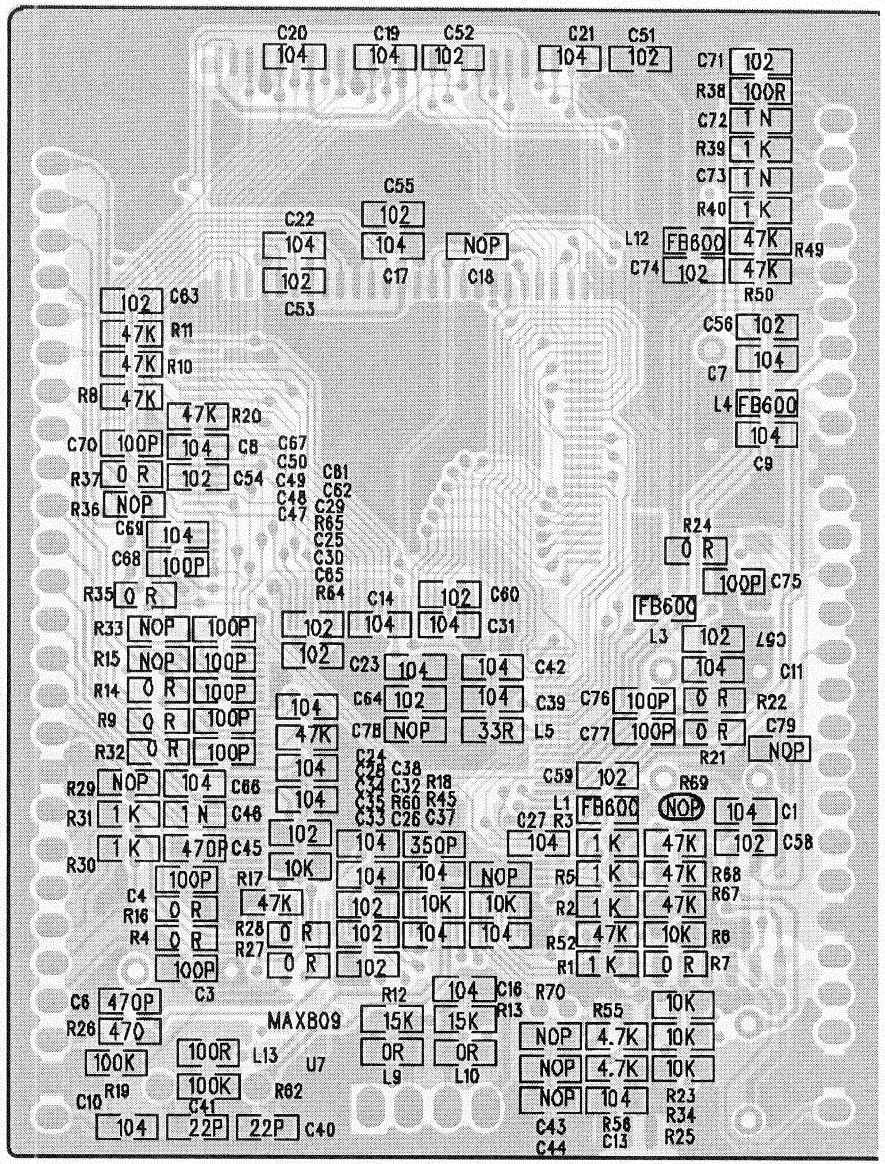
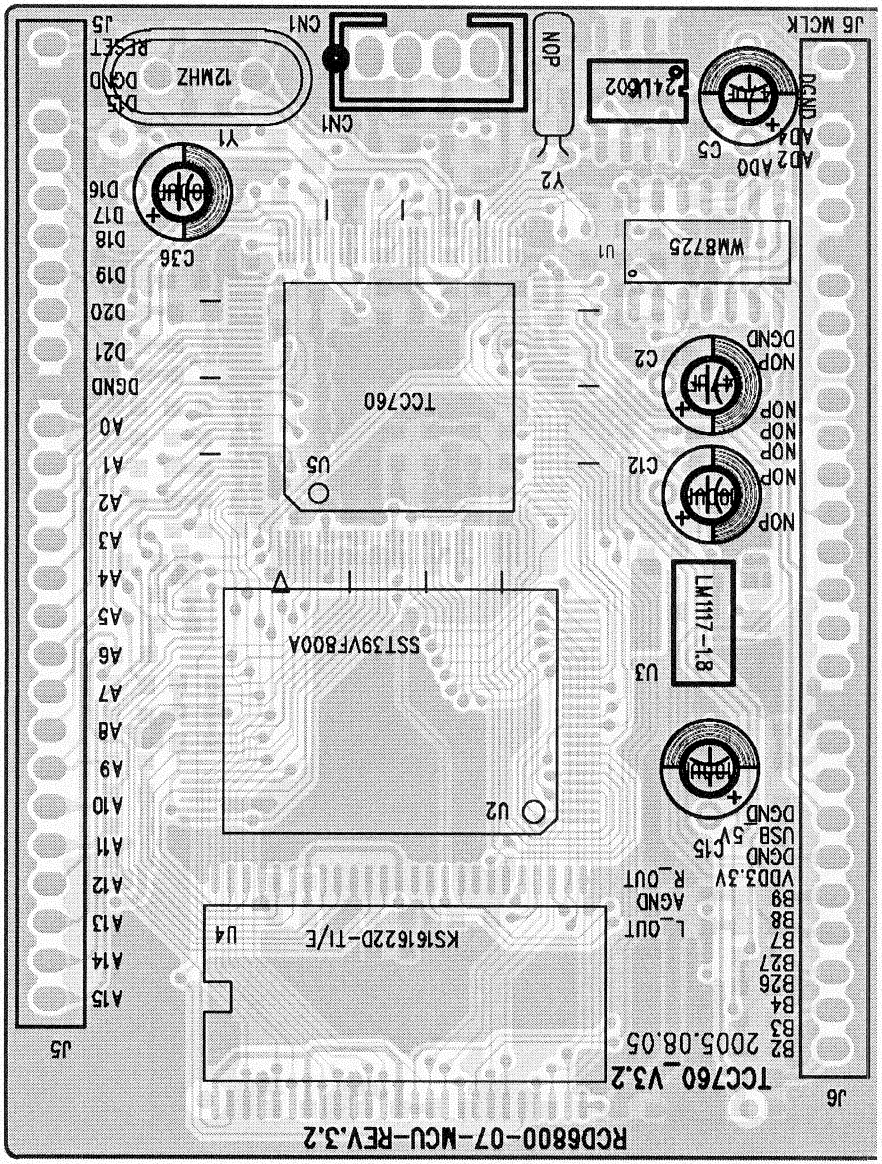
REV.1D1
RCD6800-01-MAIN


CN200
C203
J204
POWER
STOP
PLAY/PAUSE
J201
H201
LED2
LED1
BAND
J203
MEM/PROG
R/MON/RANDOM
F/MUP/REPEAT
SKIP-
SKIP+
RESUME/ST-MO
SOURCE
EQ
VOL-DN
VOL-UP
XBASS


RCD6800-05-LCD
LCD1

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TCC760_V3.2
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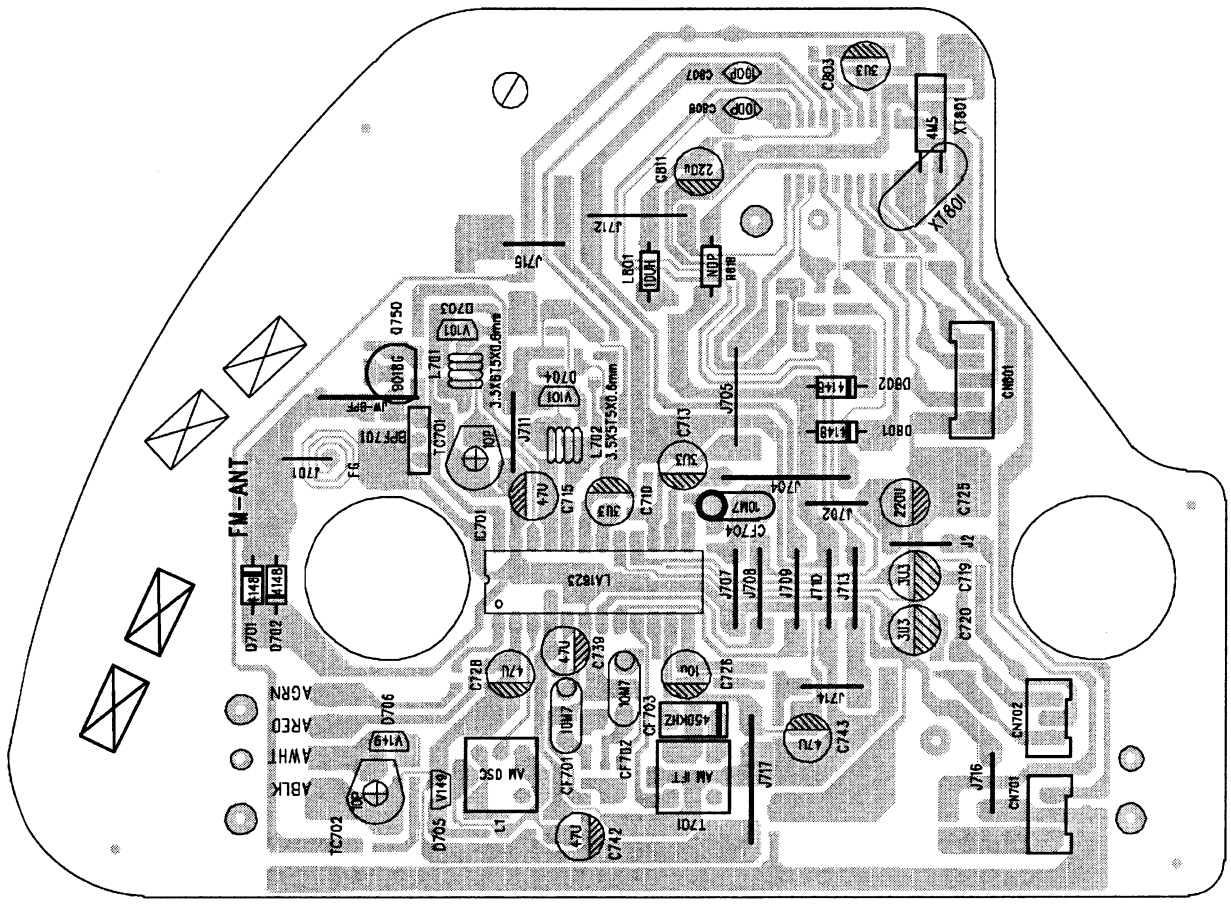
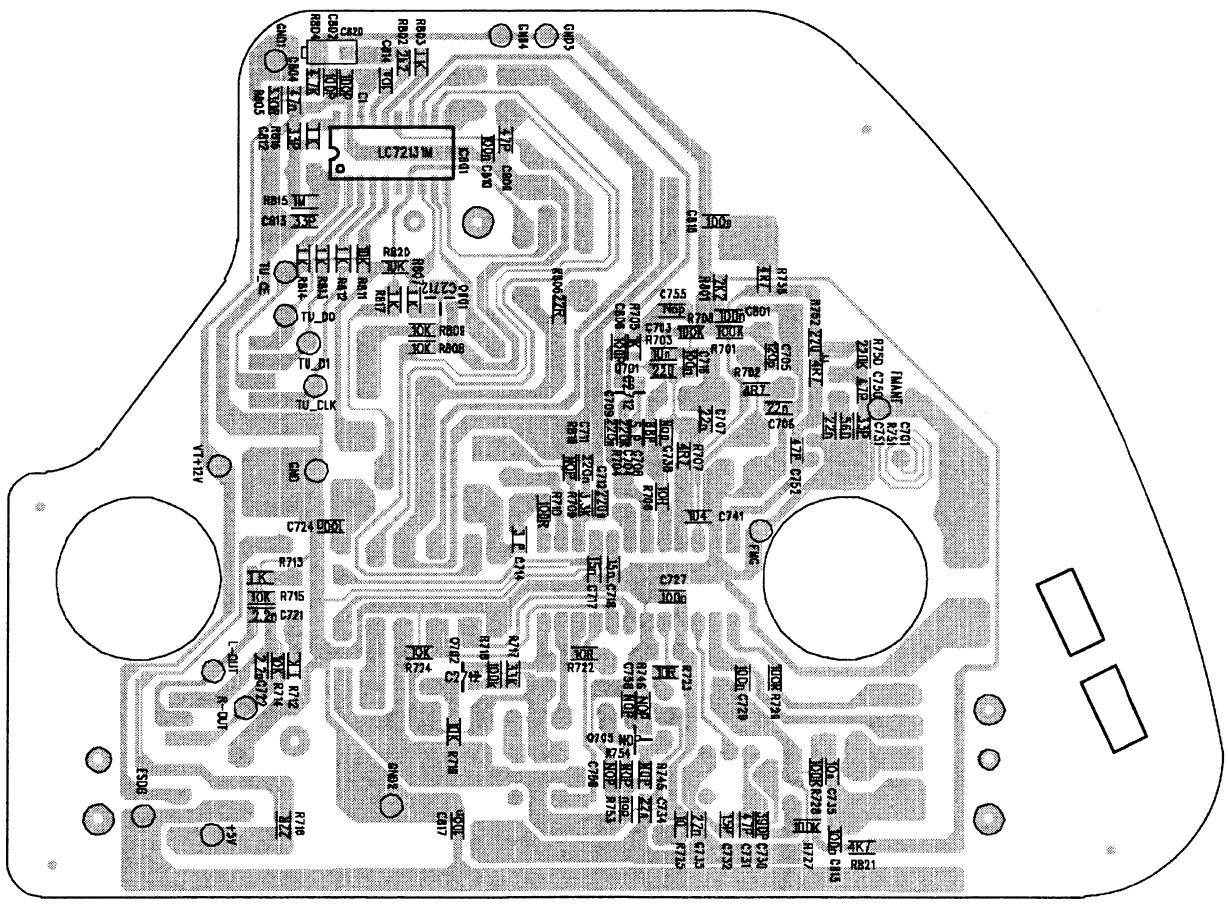
SST39VF800A
TCC760
WM8725
LM117-1.8
12MHZ
RESET
MCLK


FM-ANT
AGRN
ARED
AWHT
ABLK
LA1823
AM OSC
AM IFT
4.5MHZ
X1801
CN701
CN702
CN801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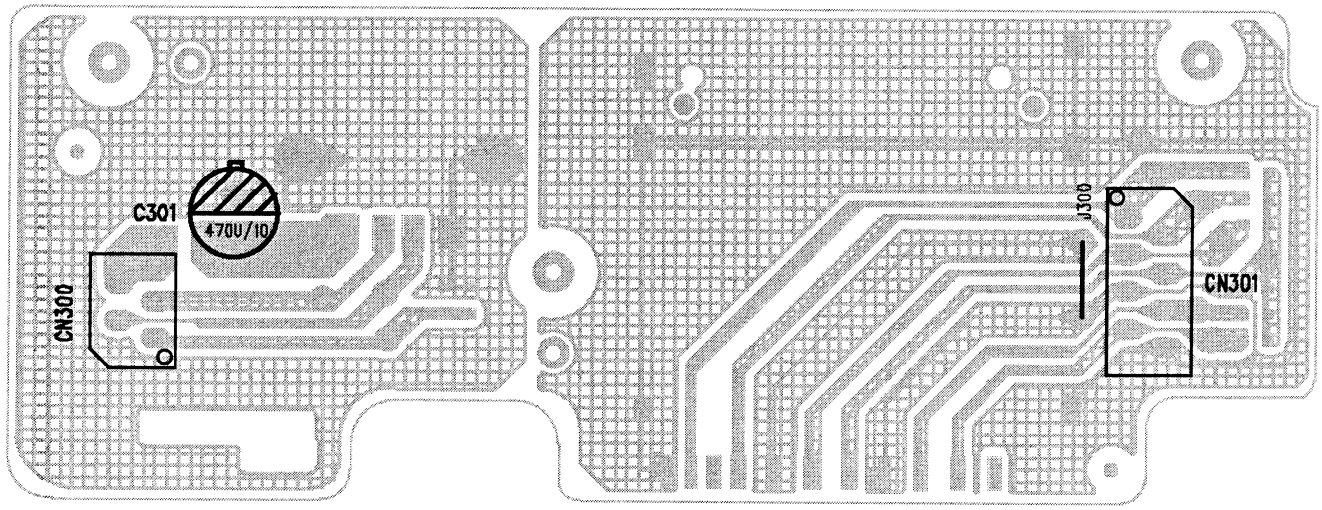
TU_D1
TU_CLK
FMANT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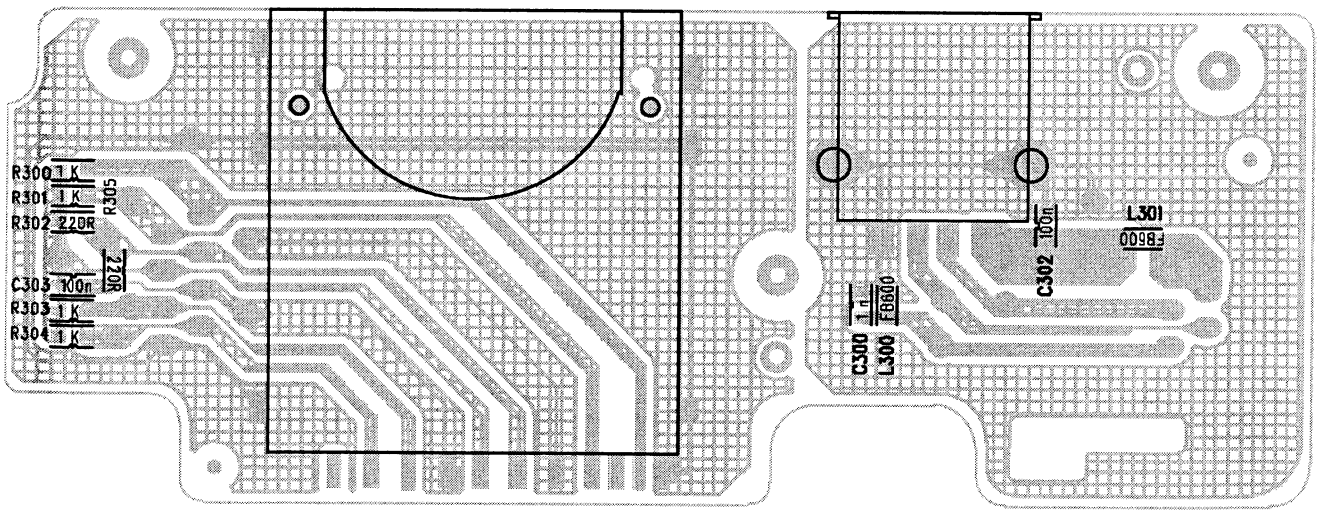
470U/10
CN300
J300
CN301


R300 1K
R301 1K
R302 220R
R305 220R
C303 100n
R303 1K
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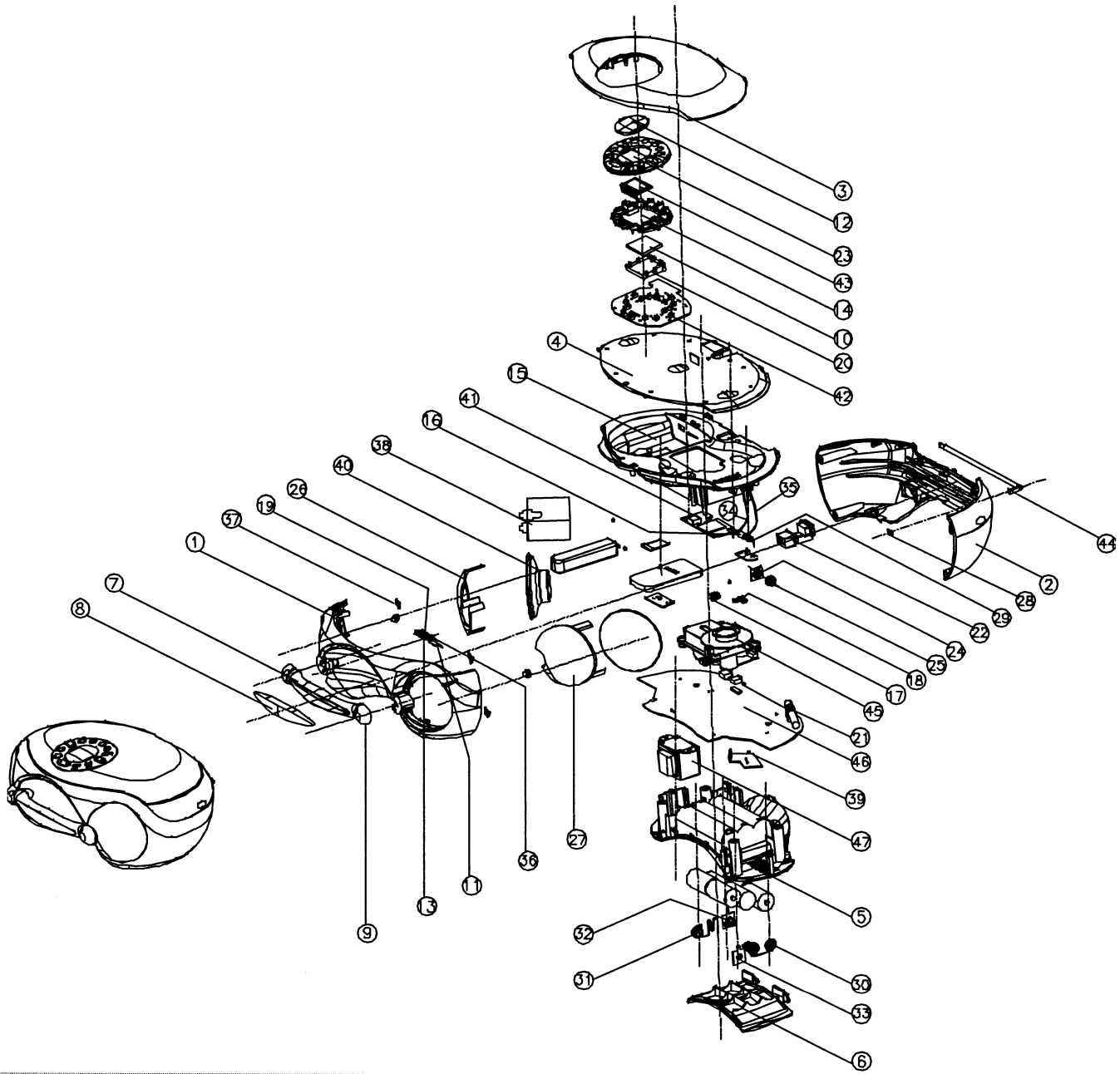
C300 1n
L300 FB600
C302 100n
L301 FB600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GRUNDIG

Ersatzteilliste
Spare Parts List

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BEEZZ RCD 6800 DEC

BESTELL-NR. / ORDER NO.: GDR5000

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		GDR5000		BEEZZ RCD 6800 DEC SCHWARZ **TAUSCHGERAET**	BEEZZ RCD 6800 DEC BLACK **EXCHANGE SET**
0001.000		759540541100		STABANTENNE	ROD ANTENNA
0002.000		759540541200		BATTERIEFACHDECKEL	BATTERY DOOR
0010.000		720117138300		FERNBEDIENUNG	REMOTE CONTROL
0015.000!		829099100300		NETZKABEL M.FLACHSTECKER GWN9.	MAINS LEAD W.FLAT PLUG GWN9.0
		720114063000		BEDIENUNGSANLEITUNG D,GB,F,I,PE,NL,PL,DK,S,FIN,TR	INSTURCTION MANUALP D,GB,F,I,PE,NL,PL,DK,S,FIN,TR

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

GRUNDIG

Ersatzteilliste
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BEEZZ RCD 6800 DEC

BESTELL-NR. / ORDER NO.: GDR5099

POS. NR. ABB. POS. NO. FIG.	MATERIAL-NR. ANZ. PART NUMBER QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
	GDR5099	BEEZZ RCD 6800 DEC SCHWARZ KEIN E-TEIL	BEEZZ RCD 6800 DEC BLACK NO SPARE PART
	GDR5000	BEEZZ RCD 6800 DEC SCHWARZ **TAUSCHGERAET**	BEEZZ RCD 6800 DEC BLACK **EXCHANGE SET**
0001.000	759540541100	STABANTENNE	ROD ANTENNA
0002.000	759540541200	BATTERIEFACHDECKEL	BATTERY DOOR
0010.000	720117138300	FERNBEDIENUNG	REMOTE CONTROL
0015.000!	829099100300	NETZKABEL M.FLACHSTECKER GWN9.	MAINS LEAD W.FLAT PLUG GWN9.0
	720114063000	BEDIENUNGSANLEITUNG D,GB,F,I,PE,NL,PL,DK,S,FIN,TR	INSTURCTION MANUALP D,GB,F,I,PE,NL,PL,DK,S,FIN,TR

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION